

September 8, 2005

Mrs. Mary G. Korsnick
Vice President R.E. Ginna Nuclear Power Plant
R.E. Ginna Nuclear Power Plant, LLC
1503 Lake Road
Ontario, NY 14519

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING RELEASE OF
PART OF SITE FOR UNRESTRICTED USE, R.E. GINNA NUCLEAR POWER
PLANT (TAC NO. MC7602)

Dear Mrs. Korsnick:

By letter dated May 20, 2005, R.E. Ginna Nuclear Power Plant, LCC (Ginna) submitted an application, pursuant to Section 50.83 of Part 50 of Title 10 of the *Code of Federal Regulations*, for approval by the Nuclear Regulatory Commission (NRC) of a proposed release of non-impacted land for unrestricted use at the Ginna Nuclear Power Plant.

The NRC staff has reviewed the information supporting the proposed application and has determined that additional information is required in order for the staff to complete its review. Enclosed is the NRC staff's request for additional information (RAI). This RAI was discussed with your staff on September 1, 2005, and it was agreed that your response would be provided 30 days from the date of this letter.

Sincerely,

/RA/

Patrick D. Milano, Sr. Project Manager, Section 1
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-244

Enclosure: RAI

cc w/encl: See next page

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DATE	09/07/05	08/24/05	09/08/05	09/08/05

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REQUEST FOR ADDITIONAL INFORMATION
REGARDING MAIN FEEDWATER ISOLATION VALVES
R.E. GINNA NUCLEAR POWER PLANT
DOCKET NO. 50-244

By letter dated May 20, 2005 (Agencywide Documents Access and Management System Accession No. ML051530448), R.E. Ginna Nuclear Power Plant, LLC (Ginna LLC) submitted an application for approval of the release of non-impacted land for unrestricted use at the R.E. Ginna Nuclear Power Plant (Ginna). To complete its review, the Nuclear Regulatory Commission (NRC) staff requests the following information:

1. Historical Site Assessment (HSA)
 - a. Discuss whether personnel interviews included former plant employees, in addition to current ones, with knowledge of plant operations, and current and former contractors that have supported plant and site operations.
 - b. Discuss whether either land parcels were ever used as dumping grounds for building rubble, demolition debris, trash, furniture, equipment, soils, backfill, and snow originating from industrial areas with a potential for radioactive contamination. Discuss whether each land parcel was physically inspected by the Ginna LLC staff to assess if the parcels were ever used as dumping grounds.
 - c. Regarding the presence of Cesium isotope 134 (Cs^{134}) detected on the property in early plant operations, provide a copy of the Science Applications International Corporation report, dated April 19, 1983, cited on page 12 (as a footnote to item 4) of the application.
 - d. A review of the Ginna site drawings indicates that Deer Creek runs through land Parcel 1. Provide discussion and results of media samples confirming that the creek bed is not radiologically impacted by plant operations, nor a vector for the movement of radioactivity, such as from plume particulate deposition, surface water runoff from radiologically impacted areas, and spills and leaks from systems containing plant-derived radioactivity.
 - e. It is not clear if the HSA has addressed the potential presence of plant-derived radioactivity in site ground water and whether site gradient and ground water flow are moving potential contaminants of concern toward or away from either land parcels. Provide a discussion of the current radiological status of ground water, characterize plant spill and leak events that might have impacted the quality of site ground water, and provide information and results of past and current ground water sampling and analysis campaigns.

Enclosure

2. Radiological Surveys Conducted for Partial Site Release

- a. Provide a description of the survey program and the results of all radiological surveys used to confirm that both land parcels subject to the partial site release are non-impacted areas. The description should identify: (1) the Multi-Agency Radiation Survey and Site Investigation Manual data quality objectives used in planning and implementing surveys, (2) the basis for sampling media and sampling locations, (3) the process used to select and calibrate survey instrumentation, (4) survey and laboratory instrumentation minimum detectable concentrations, (5) survey and media sampling methods, (6) basis for selecting radionuclides of concern, (7) criteria for defining investigational levels, (8) designation of reference background areas and ambient radiation and radioactivity levels, and (9) sample analytical program. Also, describe the data quality assessment process applied in confirming that each land parcel does not contain either plant-generated radionuclides or residual radioactivity in excess of natural background or fallout levels.
- b. Discuss whether the Ginna Chemistry Department used a third-party laboratory for quality assurance/quality control (QA/QC) in its analysis of environmental media described in the application. If so, describe the comparative results of all QA/QC samples, and the significance of differences, if any, among sample results and implications on the interpretation of the results.

3. Reporting and Recordkeeping for Decommissioning Planning

- a. Based on a review of the application, and in response to Part 50.75(g)(4)(i) and (iii), it is not clear as to the process that Ginna LLC will use to incorporate this partial site release (if granted) in planning the decommissioning of the entire site at the time of license termination.

4. Partial Site Release Application Package Backup Information

- a. A review of the application package indicates that evaluations and analyses were performed, but were not included, nor cited as references in the attachments. Provide copies, or otherwise make available to NRC staff, the results of the 10 CFR Part 50.59 evaluation and information developed as part of the HSA process supporting the findings and conclusions presented in the application package.